

Following on from the success of the Super Senses series, we are proud to present our new exciting series. In Season 2 new research enables us to understand the Super Senses from an entirely new perspective illustrated by the latest natural history footage.



SPECIAL FORCES

6 x 48 min. HD

In this series the most recent scientific research and state of the art technology take us deeper into our exploration of the natural world of Super Senses. Graphics, artwork and CGI enhance and add to the way we experience the exciting, unbelievable magical world of the animal kingdom.

YOU WON'T BELIEVE WHAT'S POSSIBLE!!



Premise

SPECIAL FORCES! What else can we call the unbelievable sharp senses, the phenomenal strength and the incredible swiftness that some creatures are born with? And why does evolution grant one animal these powers, but not another?

In this series, the second part of our Animal Super Senses, we will focus on the supreme powers some lucky animals possess. Powers that can be majestic, awe-inspiring, and quite often, terrifying or misunderstood. They cannot be learned as they are something that evolution has been polishing for thousands of years.

By combining world class natural images with impeccably researched story telling, and supported by powerful CGI graphics, we will showcase these super senses in ways never seen before. Let's get down to cases.

Main concept

- Our five senses help us to discover the world around us and communicate with others. Our brains process what we see, hear, feel, taste and smell. All animals have their own ways of perception, many similar, generally but still very different from our own – sharper sight, keener smell, super-sensitive touch. Some even possess senses that are completely beyond our experience or wildest imagination.
- In this series current scientific research, and state of the art technology take us deeper into our exploration of the natural world. Stunning imagery and amazing information get combined in order to provide a full immersion into the secret worlds-within-worlds of animals.
- Graphics, artwork and CGI enhance and add to the way we experience the exciting, magical world of animal kingdom.
- What will set this show apart from all others? It is the most up-to-date research and proven facts combined with the quality of images and graphic elements, fast and dynamic editing. All these will set us on a thrilling tour through some of the most distinctive animals on earth.

Episode Structure

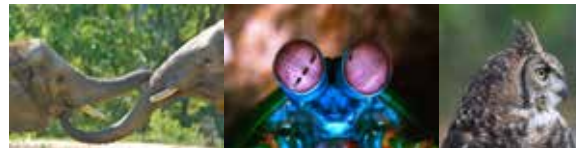
In every episode we will examine in-depth the super powers of specific animals, whether that takes us to the wild savanna to the extreme poles, sees us soaring with the falcons, or being plunged into the depths of the ocean. As we compare and contrast the super powers of various species, we get a much better understanding of when and how animals use their various powers.

Because it's one thing to hear about the Stone Fish, one of the world's most lethal fish. It's another thing entirely, to see it in action, and in slow motion. The Stonefish lies in wait for its prey, blending in with the ocean floor. But when another fish swims by, it opens its jaws and consumes its prey in a fraction of a second.

Narration style

The narration will definitely be friendly, and we will be on high alert to make sure it is never didactic and boring. It will be like the narrator is a trusted confidante who has just dropped in, to share the most amazing secrets with the viewer. At the same time, we'll get our facts right and we'll make them count. The scientific information we impart will be in accordance with the latest biological research. The end result will be a perfect blend of entertainment and information, always bringing us back to a sense of wonder at the incredible power of the featured animals.

Episode 1 : Elite Corps



Sight, Hearing, Smell, Taste, Touch. These are the five basic senses we have and share with other living creatures. However our's are quite dull compared to those of the animal's. The mantis shrimp has one of the most elaborate visual systems ever discovered. An Owl's range of audible sounds is not unlike that of humans, but an Owl's hearing is much more acute at certain frequencies enabling it to hear even the slightest movement of their prey in leaves or undergrowth. The extensive sensorimotor specializations of the elephant trunk allow delicate manipulations of both large and small objects and contain some of the most sensitive tissue ever studied.

Episode 2 : Navy Seals



Forget submarines and destroyers, battleships and frigates. Some of the most efficient killing machines of our planet live in water. Killer whales rely on sound production and reception to navigate, communicate, and hunt in dark or murky waters. Their sound waves travel through water at a speed of about 1.5 km/sec (0.9 mi/sec), which is four-and-a-half times as fast as sound traveling through air. The crocodilian sense of touch is concentrated in a series of small, pigmented domes that dot their skin all over their body contain a concentrated collection of touch sensors that make them even more sensitive to pressure and vibration than human fingertips. The electric eel, besides its ability to generate high voltage electric shocks, uses lower voltage pulses for navigation and prey detection in its turbid habitat. Every watersource has it's heroes, let's explore even more than just these few.

Episode 3 : Patrol



The focus for this episode will be quirky creatures that take great countermeasures to enemy attacks. After all, many animals can camouflage themselves, but few come equipped with their own suit of armour or advanced radar systems for early warning! Lobsters have a great thermoreception abilities whereas bats monitor their surroundings and hunt thanks to their echolocation. Scorpions poses eyes with night vision plus they have some survival skills that allow them to live in some of the planet's toughest environments.

Episode 4 : Special Gear



The animals that run the fastest, fly the highest and go deepest, are quite well known. They are justly celebrated as victors in the battle of life. Some use specialised gear that helps them in their fights. Chameleons tongue can accelerate from 0 to 60 miles per hour in 1/100th of a second. They also have a distinctive visual system that enables them to see their environment in almost 360 degrees which makes them able of keeping an eye on prey and the other on potential predators. They share this feat with hammerhead sharks who are able to see above and below them at the same time. The aye-aye lemurs have specially adapted finger for excavating fresh larvae from trees

Episode 5 : The Specialists



Magnetic fields, electroreception, iftrasound, UV light detection - all of these are really for the pro's. There are animals that use all these feats to their advantage. Female sea turtles, known to swim thousands of miles before returning to their birthplace to lay eggs, find their way home by relying on unique magnetic signatures along the coast. The western long-beaked echidna has 2,000 receptors in the tip of the snout, allowing it to detect even the smallest ants they eat. Sumatran Rhinoceros has been found to emit a whistle followed by a sharp burst of air that can carry for up to 12 miles, or almost 20 kilometres. That's a message humans wouldn't catch.

Episode 6 : Air Forces



All the senses combined but enriched with the awe-inspiring art of flight. Birds cover enormous distances, but how is it possible they don't get lost on the way? Sientists have unravelled exactly how the pigeons are able to use the Earth's magnetic field to help them find their way. Eagles depend on their eyesight to hunt their prey. No wonder we take them as archetypes of excelent vision. In fact, if you swapped your eyes for an eagle's, you could see an ant crawling on the ground from the roof of a 10-story building. Vampire bats have to track animals to track blod from. It is not their smell that guides them, but thermal perception. Let's see these thermally guided missiles an more.

SPECIAL FORCES



Conceived by Max Serio and Radek Houska
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